BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK: Improvements to CC Roads and CC Drains works at Vinayakanagara in Ward No.05 Byatarayanapura Sub Division

Estimate Cost Rs. 9900000.00

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum							
	for New CC Drain								
	Baskaramma Nilaya								
	Cross Road-1								
	LHS								
			1	66.5	1.40	0.9	83.42		
	RHS								
			1	56	1.40	0.9	68.68		
	Govt School Connecting Road								
	RHS								
			1	58.8	1.40	0.9	71.87		
	Govt School Road								
	RHS								
			1	100.5	1.40	0.9	127.05		
	Vinayaka Nagara 7th Cross								
	RHS								
			1	113.5	1.40	1.0	153.35		
	LHS								
			1	136.9	1.40	0.95	182.13		
	Vinayaka Layout 6th Cross								
	RHS								
			1	72	1.40	0.9	89.11		
	7th to 6th Cross								
	RHS								
			1	36.1	1.40	0.9	47.00		
	6th to 5th								
	LHS								
			1	29.1	1.30	1.0	35.94		
	RHS								
			1	29.1	1.30	0.9	'33.06		
	7th cross Cross Rd 2								
	LHS								
			1	54	1.40	0.9	65.02		
	7th cross Cross Rd 2								
	RHS								
			1	54	1.40	0.9	65.02		
	for Culverts								
	Govt School Connecting Road		1	7.7	1.8	0.80	11.09		
	Front of Srinivas Sai Residency		1	5.8	2	0.80	9.28		
	Vinayaka Nagara 7th Cross		1	7.2	2	0.80	11.52		
			1	8	2	0.80	12.80		
			1	6.5	2	0.80	10.40		

			1	8.3	2	0.80	13.28		
	Temple to Appartment		1	5.8	1.8	0.80	8.35		
	Vinayakanagara 1st main		1	6.8	1.8	0.80	9.79		
	for SSM Drain								
	1st main Vinayaka nagara								
	LHS		1	65.7	2.1	0.7	101.68		
	for Desilting of Drain		1	245	0.35	0.3	25.73		
						Cum	**1235.57**	137.80	**170261.07**
	Basic Rate	130							
	Area Weightage @6%	7.8							
	Total	**137.8**							
2	Removing B S Slab of Drain and stacking 7.5MM Thick, and as per the directions of the Engineer-in-charge of the work .	Sqm							
	Cross Road		1	195.00	1.80		351.00		
						Sqm	**351.00**	104.94	**36833.94**
	Basic Rate	99							
	Area Weightage @6%	5.94							
	Total	**104.94**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) and as per the directions of the Engineer-in-charge of the work .	Sqm							
	Cross Road		1	195	1.8		351.00		
						Sqm	**351.00**	111.30	**39066.30**
	Basic Rate	105							
	Area Weightage @6%	6.3							
	Total	**111.3**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and as per the directions of the Engineer-in-charge of the work .	Sqm							
	Cross Road		1	49.00	1.80		88.20		
						Sqm	**88.20**	742.00	**65444.40**
	Basic Rate	700							
	Area Weightage @6%	42							
	Total	**742**							
5	PConstruction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with	Cum							
	For CC Drains								
	Baskaramma Nilaya								
	Cross Road-1								

	LHS									
			1	66.5	1.40	0.15	13.97			
	RHS									
			1	56	1.40	0.15	11.76			
	Govt School Connecting Road									
	RHS									
			1	58.8	1.40	0.15	12.35			
	Govt School Road									
	RHS									
			1	100.5	1.40	0.15	21.11			
	Vinayaka Nagara 7th Cross									
	RHS									
			1	113.5	1.40	0.15	23.84			
	LHS									
			1	137.2	1.40	0.15	28.81			
	Vinayaka Layout 6th Cross									
	RHS									
			1	72	1.40	0.15	15.12			
	7th to 6th Cross									
	RHS									
			1	36.1	1.40	0.15	7.58			
	6th to 5th									
	LHS									
			1	29.1	1.30	0.15	5.67			
	RHS									
			1	29.1	1.30	0.15	5.67			
	7th cross Cross Rd 2									
	LHS									
			1	54	1.40	0.15	11.34			
	7th cross Cross Rd 2									
	RHS									
			1	54	1.40	0.15	11.34			
	for Culverts									
	Govt School Connecting Road		1	7.7	1.8	0.15	2.08			
	Front of Srinivas Sai Residency		1	5.8	2	0.15	1.74			
	Vinayaka Nagara 7th Cross		1	7.2	2	0.15	2.16			
			1	8	2	0.15	2.40			
			1	6.5	2	0.15	1.95			
			1	8.3	2	0.15	2.49			
	Temple to Appartment		1	5.8	1.8	0.15	1.57			
	Vinayakanagara 1st main		1	6.8	1.8	0.15	1.84			
	for SSM Drain									
	1st main Vinayaka nagara									
	LHS									
			1	65.7	2.10	0.15	20.70			
							Cum	**205.47**	3606.12	**740954.89**
	Basic Rate	3402								
	Area Weightage @6%	204.12								
	Total	**3606.1**								
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum								
	for Culverts									

	Govt School Connecting Road		2	7.7	0.60	0.50	4.62		
	Front of Srinivas Sai Residency		2	5.8	0.60	0.50	3.48		
	Vinayaka Nagara 7th Cross		2	7.2	0.60	0.50	4.32		
			2	8	0.60	0.50	4.80		
			2	6.5	0.60	0.50	3.90		
			2	8.3	0.60	0.50	4.98		
	Temple to Appartment		2	5.8	0.60	0.50	3.48		
	Vinayakanagara 1st main		2	6.8	0.60	0.50	4.08		
	for SSM Drain								
	1st main Vinayaka nagara								
	LHS								
			2	65.7	0.60	0.50	39.42		
						Cum	**73.08**	4871.76	**356028.22**
	Basic Rate	4596							
	Area Weightage @6%	275.76							
	Total	**4871.8**							
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Cum							
	for Culverts								
	Govt School Connecting Road		2	7.7	0.50	0.45	3.47		
	Front of Srinivas Sai Residency		2	5.8	0.50	0.45	2.61		
	Vinayaka Nagara 7th Cross		2	7.2	0.50	0.45	3.24		
			2	8	0.50	0.45	3.60		
			2	6.5	0.50	0.45	2.93		
			2	8.3	0.50	0.45	3.74		
	Temple to Appartment		2	5.8	0.50	0.45	2.61		
	Vinayakanagara 1st main		2	6.8	0.50	0.45	3.06		
	for SSM Drain								
	1st main Vinayaka nagara								
	LHS								
		Cum	2	65.7	0.50	0.45	29.57		
						Cum	**54.81**	5305.30	**290783.49**
	Basic Rate	5005							
	Area Weightage @6%	300.3							
	Total	**5305.3**							
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.and as per the directions of the Engineer-in-charge of the work .	Sqm							
	for CC Drain								
	Side Wall								
	Baskaramma Nilaya								
	Cross Road-1								
	LHS								
			4	66.5		0.6	158.40		
	RHS								

			4	56		0.6	129.36		
	Govt School Connecting Road								
	RHS								
			4	58.8		0.6	134.93		
	Govt School Road								
	RHS								
			4	100.5		0.6	242.33		
	Vinayaka Nagara 7th Cross								
	RHS								
			4	113.5		0.7	302.00		
	LHS								
			4	136.9		0.65	355.94		
	Vinayaka Layout 6th Cross								
	RHS								
			4	72		0.6	167.99		
	7th to 6th Cross								
	RHS								
			4	36.1		0.6	92.42		
	6th to 5th								
	LHS								
			4	29.1		0.65	75.66		
	RHS								
			4	29.1		0.6	66.93		
	7th cross Cross Rd 2								
	LHS								
			4	54		0.6	119.88		
	7th cross Cross Rd 2								
	RHS								
			4	54		0.6	119.88		
	for Culverts(bottom)								
	Govt School Connecting Road		1	7.7	0.70		5.39		
	Front of Srinivas Sai Residency		1	5.8	0.90		5.22		
	Vinayaka Nagara 7th Cross		1	7.2	0.90		6.48		
			1	8	0.90		7.2		
			1	6.5	0.90		5.85		
			1	8.3	0.90		7.47		
	Temple to Appartment		1	5.8	0.60		3.48		
	Vinayakanagara 1st main		1	6.8	0.60		4.08		
	for Culvert sides								
	Govt School Connecting Road		2	7.7		0.23	3.542		
	Front of Srinivas Sai Residency		2	5.8		0.23	2.668		
	Vinayaka Nagara 7th Cross		2	7.2		0.23	3.312		
			2	8		0.23	3.68		
			2	6.5		0.23	2.99		
			2	8.3		0.23	3.818		
	Temple to Appartment		2	5.8		0.23	2.668		
	Vinayakanagara 1st main		2	6.8		0.23	3.128		
	for Culvert sides								
	Govt School Connecting Road		2		1.6	0.23	0.736		
	Front of Srinivas Sai Residency		2		1.8	0.23	0.828		
	Vinayaka Nagara 7th Cross		2		1.8	0.23	0.828		
			2		1.8	0.23	0.828		
			2		1.8	0.23	0.828		
			2		1.8	0.23	0.828		
	Temple to Appartment		2		1.5	0.23	0.69		
	Vinayakanagara 1st main		2		1.5	0.23	0.69		
						Sqm	**2042.95**	309.52	**632334.52**
	Basic Rate	292							
	Area Weightage @6%	17.52							
	Total	**309.52**							

9	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and	Cum								
	for Culverts									
	Side Walls									
	Govt School Connecting Road		2	7.7	0.5	0.15	1.155			
	Front of Srinivas Sai Residency		2	5.8	0.5	0.15	0.87			
	Vinayaka Nagara 7th Cross		2	7.2	0.5	0.15	1.08			
			2	8	0.5	0.15	1.2			
			2	6.5	0.5	0.15	0.975			
			2	8.3	0.5	0.15	1.245			
	Temple to Appartment		2	5.8	0.5	0.15	0.87			
	Vinayakanagara 1st main		2	6.8	0.5	0.15	1.02			
	Vent Bed									
	Govt School Connecting Road		1	7.7	0.6	0.15	0.693			
	Front of Srinivas Sai Residency		1	5.8	0.8	0.15	0.696			
	Vinayaka Nagara 7th Cross		1	7.2	0.8	0.15	0.864			
			1	8	0.8	0.15	0.96			
			1	6.5	0.8	0.15	0.78			
			1	8.3	0.8	0.15	0.996			
	Temple to Appartment		1	5.8	0.6	0.15	0.522			
	Vinayakanagara 1st main		1	6.8	0.6	0.15	0.612			
	for SSM Drain									
	1st main Vinayaka nagara									
	LHS									
			2	65.7	0.50	0.10	6.57			
						Cum	**21.11**	5627.54	**118786.11**	
	Basic Rate	5309								
	Area Weightage @6%	318.54								
	Total	**5627.5**								
10	Providing Flush pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.and as per the directions of the Engineer-in-charge of the work .	Sqm								
	for Culverts									
	Govt School Connecting Road		2	7.7		0.5	7.7			
	Front of Srinivas Sai Residency		2	5.8		0.50	5.8			
	Vinayaka Nagara 7th Cross		2	7.2		0.50	7.2			
			2	8		0.50	8			
			2	6.5		0.50	6.5			
			2	8.3		0.50	8.3			
	Temple to Appartment		2	5.8		0.50	5.8			
	Vinayakanagara 1st main		2	6.8		0.50	6.8			
	for SSM Drain									
	1st main Vinayaka nagara									
	LHS									
			2	65.7		0.50	65.7			
						Sqm	**121.80**	223.66	**27241.79**	
	Basic Rate	211								

	Area Weightage @6%	12.66							
	Total	**223.66**							
11	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.875 cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc. including cost	Cum							
	Bottom Raft								
	Baskaramma Nilaya								
	Cross Road-1								
	LHS		1	66.50	1.10	0.15	10.97		
	RHS		1	56.00	1.10	0.15	9.24		
	Govt School Connecting Road								
	RHS		1	58.80	1.10	0.15	9.70		
	Govt School Road								
	RHS		1	100.50	1.10	0.15	16.58		
	Vinayaka Nagara 7th Cross								
	RHS		1	113.50	1.10	0.15	18.73		
	LHS		1	136.90	1.10	0.15	22.59		
	Vinayaka Layout 6th Cross								
	RHS		1	72.00	1.10	0.15	11.88		
	7th to 6th Cross								
	RHS		1	36.10	1.10	0.15	5.96		
	6th to 5th								
	LHS		1	29.10	1.10	0.15	4.80		
	RHS		1	29.10	1.10	0.15	4.80		
	7th cross Cross Rd 2								
	LHS		1	54.00	1.10	0.15	8.91		
	7th cross Cross Rd 2								
	RHS		1	54.00	1.10	0.15	8.91		
	Side Wall								
	Baskaramma Nilaya								
	Cross Road-1								
	LHS		2	66.5	0.15	0.5	9.98		
	RHS		2	56	0.15	0.6	9.24		

	Govt School Connecting Road								
	RHS		2	58.8	0.15	0.6	9.70		
	Govt School Road								
	RHS		2	100.5	0.15	0.6	18.18		
	Vinayaka Nagara 7th Cross								
	RHS		2	113.5	0.15	0.7	23.84		
	LHS		2	137.2	0.15	0.65	26.75		
	Vinayaka Layout 6th Cross								
	RHS		2	72	0.15	0.6	12.61		
	7th to 6th Cross								
	RHS		2	36.1	0.15	0.6	6.50		
	6th to 5th								
	LHS		2	29.1	0.15	0.6	5.33		
	RHS		2	29.1	0.15	0.7	5.67		
	7th cross Cross Rd 2								
	LHS		2	54	0.15	0.6	9.23		
	7th cross Cross Rd 2								
	RHS		2	54	0.15	0.7	10.53		
	For Culvert Slabs								
	Govt School Connecting Road		1	7.70	1.60	0.23	2.83		
	Front of Srinivas Sai Residency		1	5.80	1.80	0.23	2.40		
	Vinayaka Nagara 7th Cross		1	7.20	1.80	0.23	2.98		
			1	8.00	1.80	0.23	3.31		
			1	6.50	1.80	0.23	2.69		
			1	8.30	1.80	0.23	3.44		
	Temple to Appartment		1	5.80	1.50	0.23	2.00		
	Vinayakanagara 1st main		1	6.80	1.50	0.23	2.35		
	For Drain side filling								
	Baskaramma Nilaya								
	Cross Road-1								
	LHS		1	66.5	0.15	0.15	1.50		
	RHS		1	56	0.15	0.15	1.26		
	Govt School Connecting Road								
	RHS		1	58.8	0.15	0.15	1.32		
	Govt School Road								
	RHS		1	100.5	0.15	0.15	2.26		
	Vinayaka Nagara 7th Cross								
	RHS		1	113.5	0.15	0.15	2.55		
	LHS		1	137.2	0.15	0.15	3.09		
	Vinayaka Layout 6th Cross								
	RHS		1	72	0.15	0.15	1.62		
	7th to 6th Cross								
	RHS		1	36.1	0.15	0.15	0.81		

	6th to 5th								
	LHS								
			1	29.1	0.15	0.15	0.65		
	RHS								
			1	29.1	0.15	0.15	0.65		
	7th cross Cross Rd 2								
	LHS								
			1	54	0.15	0.15	1.22		
	7th cross Cross Rd 2								
	RHS								
			1	54	0.15	0.15	1.22		
						Cum	**320.79**	5998.54	**1924271.35**
	Basic Rate	5659							
	Area Weightage @6%	339.54							
	Total	**5998.5**							
12	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of	Tonne							
	for Drain 0.075ton/cum		280.64	0.075			21.05		
	for Culvert 0.09ton/cum		22.00	0.090			1.98		
						Tonne	**23.03**	75223.96	**1732242.17**
	Basic Rate	70966							
	Area Weightage @6%	4258							
	Total	**75224**							
13	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Which includes cost of gravel/murrum,	Cum							
	for Drain Side Filling								
	Baskaramma Nilaya								
	Cross Road-1								
	LHS		1	66.5	0.15	0.45	4.49		
	RHS		1	56	0.15	0.45	3.78		
	Govt School Connecting Road								
	RHS		1	58.8	0.15	0.45	3.97		
	Govt School Road								
	RHS		1	100.5	0.15	0.45	6.78		
	Vinayaka Nagara 7th Cross								
	RHS		1	113.5	0.15	0.45	7.66		
	LHS		1	137.2	0.15	0.45	9.26		
	Vinayaka Layout 6th Cross								
	RHS		1	72	0.15	0.45	4.86		
	7th to 6th Cross								
	RHS		1	36.1	0.15	0.45	2.44		
	6th to 5th								
	LHS		1	29.1	0.15	0.45	1.96		
	RHS		1	29.1	0.15	0.45	1.96		
	7th cross Cross Rd 2								
	LHS		1	54	0.15	0.45	3.65		

	7th cross Cross Rd 2								
	RHS		1	54	0.15	0.45	3.65		
	for SSM Drain								
	1st main Vinayaka nagara								
	LHS		1	65.7	0.15	0.45	4.43		
						Cum	**58.89**	344.50	**20288.90**
	Basic Rate	325							
	Area Weightage @6%	19.5							
	Total	**344.5**							
14	Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the	Cum							
	for Drain Side Filling								
	Baskaramma Nilaya								
	Cross Road-1								
	LHS		1	66.5	0.15	0.30	2.99		
	RHS		1	56	0.15	0.30	2.52		
	Govt School Connecting Road								
	RHS		1	58.8	0.15	0.30	2.65		
	Govt School Road								
	RHS		1	100.5	0.15	0.30	4.52		
	Vinayaka Nagara 7th Cross								
	RHS		1	113.5	0.15	0.30	5.11		
	LHS		1	137.2	0.15	0.30	6.17		
	Vinayaka Layout 6th Cross								
	RHS		1	72	0.15	0.30	3.24		
	7th to 6th Cross								
	RHS		1	36.1	0.15	0.30	1.62		
	6th to 5th								
	LHS		1	29.1	0.15	0.30	1.31		
	RHS		1	29.1	0.15	0.30	1.31		
	7th cross Cross Rd 2								
	LHS		1	54	0.15	0.30	2.43		
	7th cross Cross Rd 2								
	RHS		1	54	0.15	0.30	2.43		
	for SSM Drain								
	1st main Vinayaka nagara								
	LHS		1	65.7	0.15	0.3	2.96		
						Cum	**39.26**	2001.28	**78575.26**
	Basic Rate	1888							
	Area Weightage @6%	113.28							
	Total	**2001.3**							

15	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications C : C 1:1.5:3 Including all cost of material (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab. and as per the directions of the Engineer-in-charge of the work .	Sqm							
	for CC Drain								
	Baskaramma Nilaya								
	Cross Road-1								
	LHS		1	66.5	0.90		59.85		
	RHS		1	56	0.90		50.40		
	Govt School Connecting Road								
	RHS		1	58.8	0.90		52.92		
	Govt School Road								
	RHS		1	100.5	0.90		90.45		
	Vinayaka Nagara 7th Cross								
	RHS		1	113.5	0.90		102.15		
	LHS		1	136.9	0.90		123.21		
	Vinayaka Layout 6th Cross								
	RHS		1	72	0.90		64.80		
	7th to 6th Cross								
	RHS		1	36.1	0.90		32.49		
	6th to 5th								
	LHS		1	29.1	0.90		26.19		
	RHS		1	29.1	0.90		26.19		
	7th cross Cross Rd 2								
	LHS		1	54	0.90		48.60		
	7th cross Cross Rd 2								
	RHS		1	54	0.90		48.60		
	for SSM Drain								
	1st main Vinayaka nagara								
	LHS		1	65.7	1.2		78.84		
						Sqm	**804.69**	2337.00	**1880560.53**
	Data Rate	**2337**							
16	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete and as per the directions of the Engineer-in-charge of the work .	Mtr							
			1	210.00			210.00		
						Mtr	**210.00**	394.32	**82807.20**

	Basic Rate	372							
	Area Weightage @6%	22.32							
	Total	**394.32**							
17	Laying Reinforced cement concrete pipe NP2/ Prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement martar 1:2 but excluding excavation, protection works, backfilling and masonry works in head walls and parapet complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Mtrs							
			6	2.50			15.00		
	Basic Rate	5638				Mtrs	**15.00**	5976.28	**89644.20**
	Area Weightage @6%	338.28							
	Total	**5976.3**							
18	Providing 100mm and down nominal size and as per the directions of the Engineer-in-charge of the work .		6	0.28	0.6		1.01		
	for Pit(Area-3.14xD2/4)	Cum				Cum	**1.01**	987.62	**995.52**
19	Providing 40mm and down nominal size and as per the directions of the Engineer-in-charge of the work .		6	0.28	0.4		0.67		
	for Pit(Area-3.14xD2/4)	Cum				Cum	**0.67**	1091.43	**733.44**
20	Providing 20mm and down nominal size and as per the directions of the Engineer-in-charge of the work .		6	0.28	0.40		0.67		
	for Pit(Area-3.14xD2/4)	Cum				Cum	**0.67**	1091.43	**733.44**
21	Providing fine aggregate 2.36 nominal size and as per the directions of the Engineer-in-charge of the work .		6	0.28	0.30		0.504		
	for Pit(Area-3.14xD2/4)	Cum				Cum	**0.50**	**1054.29**	**531.36**
22	Loading and Unloading of stone boulders by manual means complete as per specificatiion and as per the directions of the Engineer-in-charge of the work .	Cum							
			Qty Vide Item No.1				1235.57		
	Basic Rate	57				Cum	**1235.57**	**60.42**	**74652.93**
	Area Weightage @6%	3.42							
	Total	**60.42**							

							Grand Total		**8363771.03**
23	For 12% Applicable GST								1003652.52
24	For 4% KRIDL Charges								334550.84
25	For 2% of DPR And PMC Charges								198000
26	Miscellaneous Charges	L/S							25.61
									9900000.00

Certificate

1 The Work Spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19
3 This Estimate Grant under SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane.
4 The Provisions were made in this estimate are necessary and adequate.
5 This work come under B.B.M.P.limits.

Assistant Engineer
Ward No. 05(Jakkur)

Executive Engineer
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Project Yelahanka

Administrative Approval
Accorded For RS.99.00 Lakhs
Head of A/C. P-3727
CER NO :.....21..... Dt:04/11/2019
E.E: (Project) 4/11

Technical Sanction
Accorded For RS.99.00 Lakhs
Head of A/C. P.3727
CER NO :.....159..... Dt:06.11.20
TA CE (YNK)